

Digital Programmable Panel Kits

Applications

Orenco® Digital Programmable Panel Kits are ideal for timed and demand dosing for pressurized drainfields and other wastewater applications. They are especially well-suited to applications that require a timer or that have changing flow conditions.

Kits include the following:

- MVP digital programmable control panel
- Signal-rated float switches
- Float collars

The panel features a programmable logic controller (PLC) with an elapsed time meter and counter. It can be programmed with multiple timing intervals to adjust for changing flow conditions.

The float switches are signal-rated, and color-coded for easy installation. The float collars quickly secure floats to a 1-inch-diameter float stem (ordered separately).



Orenco's Digital Panel Kits are the fast and easy way to install digital dosing controls

Standard Features & Benefits

- Complete package including panel, floats and collars
- Single or double pump controls
- Fiberglass panel enclosure
- Touch-safe terminals
- Resettable circuit breakers
- Durable motor contactors, one per pump (2.5 million cycles at FLA)
- Intervals as long as 99 hours can be set with an accuracy of $\pm 1\%$
- Field-programmable — no laptop computer needed
- Simple, easy setting instructions
- Smart PLC allows setting different pump intervals for different flow conditions
- Adjustable high-level alarm delay
- Easy-to-read LCD display uses visual float position indicators and text prompts, not codes
- One style float works for all functions
- Color-coded float switches
- UL 508 listed in the United States and Canada
- Complete documentation and technical support provided by Orenco
- Three-year limited warranty on control panel

Optional Features & Benefits

- Kits available with non-mercury floats available for areas that require them
- Removable EEPROM card for reprogramming the panel in the shop or in the field
- Self-regulating, anti-condensation heater (radiates additional wattage as temperature drops)

To Order

Call your nearest Orenco Systems®, Inc. Distributor. For nearest Distributor, call Orenco at 800-348-9843, or visit www.orenco.com and click on "Where to Buy."

Specifications

Materials of Construction

Panel Enclosure	UV-resistant fiberglass, Type 4X
Panel Hinges	Stainless Steel
Float housing	Impact-resistant, noncorrosive PVC
Float cord	Flexible 2-conductor SJOW, water-resistant (CPE), neoprene coating
Float collar	ABS

Dimensions

Height, in. (mm)	11.5 (292)
Width, in. (mm)	9.5 (241)
Depth, in. (mm)	5.4 (137)

Performance

Panel ratings	120 V, 1 hp (0.75 kW), 16 A, single-phase, 60 Hz
Motor-start contactor	16 FLA, 1 hp (0.75 kW), 60 Hz; 2.5 million cycles at FLA (10 million at 50% of FLA)
Pump circuit breaker	120 V, 20 A, OFF/ON switch, single-pole breaker
Control circuit breaker	120 V, 10 A, OFF/ON switch, single-pole breaker
Toggle switch	20 A, Single-pole, double-throw HOA switch
Audible alarm	95 dB at 24 in. (610 mm), warble-tone, Type 4X
Visual alarm	7/8 in. (22mm) red lens, "Push-to-silence", 120 V LED, Type 4X

Models

MVP-S1PTRO-Y,G,R,W-KIT

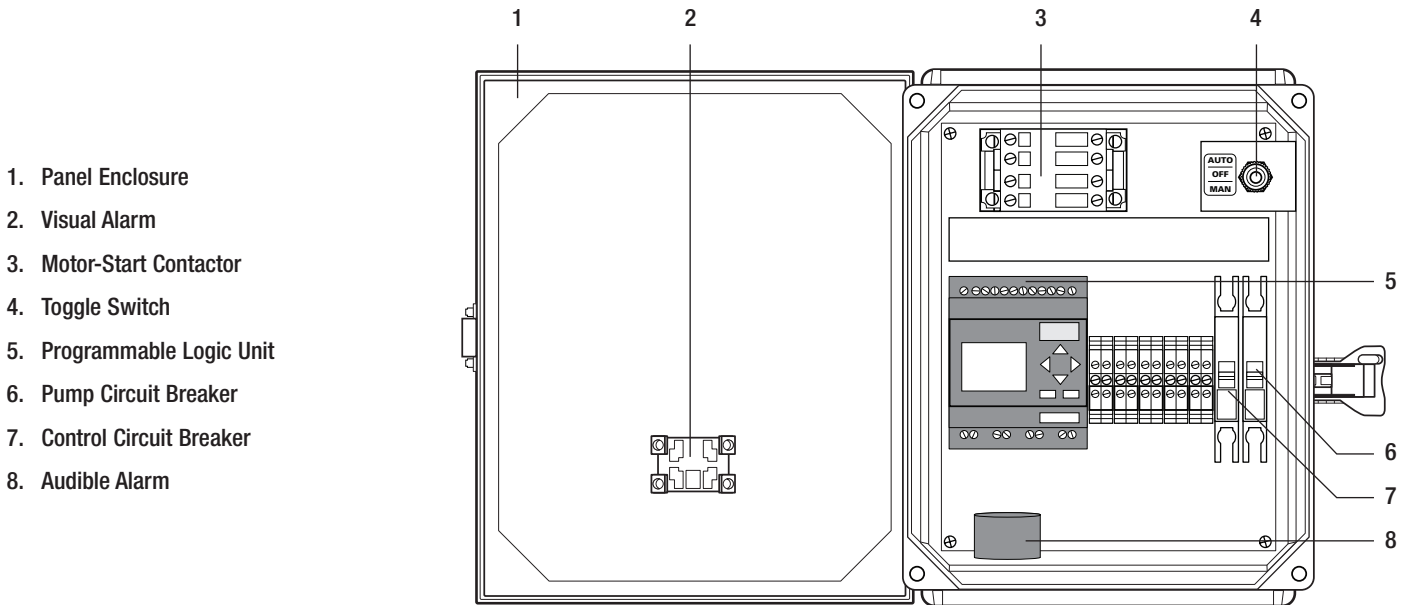
Panel	MVP Simplex
Power	120 VAC
Floats	High level alarm (yellow), override timer on/off (green), timer on/off (red), redundant off and low level alarm (white)

MVP-DAX1RO-4A-YP,PR,W-KIT

Panel	MVP Duplex
Power	120 VAC
Floats	High level alarm and lag pump enable (yellow-purple), lag pump enable (purple), timer on/off (red), redundant off and low level alarm (white)

MVP-DAX1PTRO-4A-YP,G,R,W-KIT

Panel	MVP Duplex
Power	120 VAC
Floats	High level alarm and lag pump enable (yellow-purple), override timer on/off (green), timer on/off (red), redundant off and low level alarm (white)



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